R wherein E is the distance form center of rotary table to first hook and R is the radius on the first hook holding key.

AND

4. The method of Claim 1 wherein said trigonometric analysis of the required curvatures of the surfaces determines the path of said cutter as a curved convex radius of E plus R wherein E + R of the convex radius is determined by points L, C, and A, L being the minimum distance P and distance M determined by angle +Q°, the angle of rotation to the left, C being the minimum distance E determined by the angle 0°; A being the minimum distance F and distance Y determined by angle -Q°, the angle of rotation to the right.

Abst/ract

A method of determining machining instructions during machining of a workpiece suing a machine having a cutter, the surfaces of the workpiece being defined by a plurality of programmed instructions obtained by trigonometric analysis of the required curvatures of the surfaces.

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